

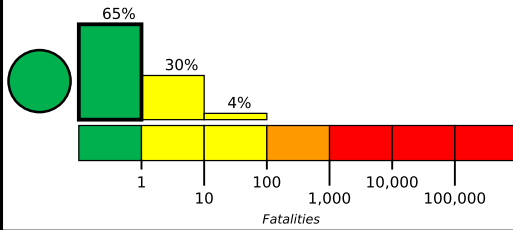
M 5.6, 15km E of Kirkagac, Turkey

Origin Time: 2020-01-22 19:22:16 UTC (Wed 22:22:16 local)

Location: 39.0820° N 27.8491° E Depth: 8.6 km

Created: 1 day, 0 hours after earthquake

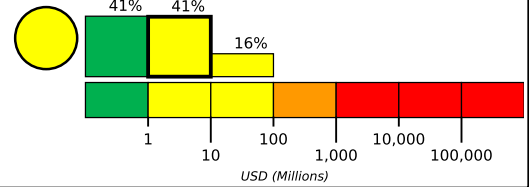
Estimated Fatalities



Yellow alert for economic losses. Some damage is possible and the impact should be relatively localized. Estimated economic losses are less than 1% of GDP of Turkey. Past events with this alert level have required a local or regional level response.

Green alert for shaking-related fatalities. There is a low likelihood of casualties.

Estimated Economic Losses

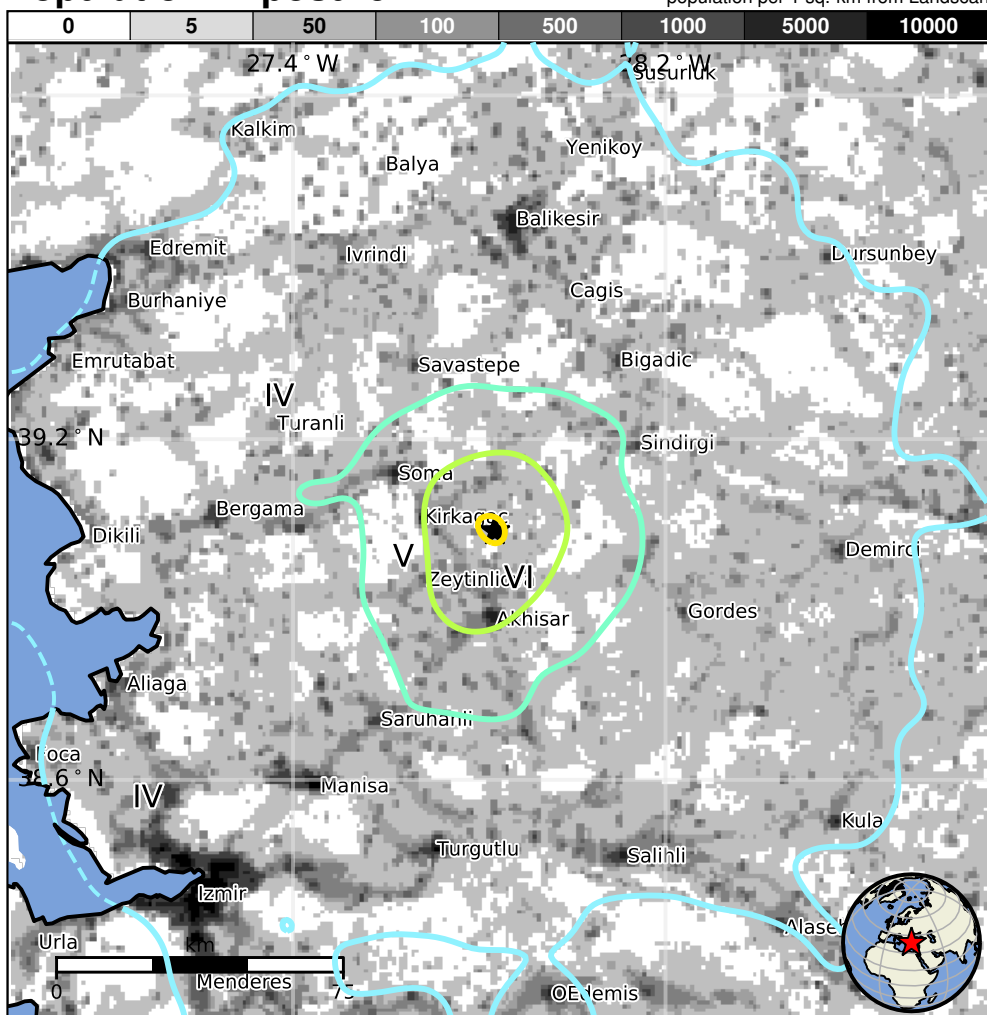


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	514k*	5,554k	266k	146k	9k	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are unreinforced brick masonry and adobe block construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1999-09-29	224	5.2	VII(28k)	1
1999-11-11	275	5.6	VII(2k)	1
1999-08-17	256	7.6	IX(396k)	17k

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
VI	Gelembe	<1k
VI	Akhisar	85k
VI	Zeytinliova	5k
V	Kirkagac	27k
V	Soma	66k
V	Golcuk	<1k
IV	Turgutlu	103k
IV	Balikesir	238k
IV	Manisa	244k
IV	Karabaglar	458k
IV	Izmir	2,501k

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us60007d2r#pager>

bold cities appear on map.

(k = x1000)

Event ID: us60007d2r